**NODE**

**Clear-stergem outputul pe care l vedem (cls)**

**Window object-referinta a browser window**

****

**Cu process.argv luam input de la tastatura, din linia de comanda**

**Cu yargs(package) vs normal**

**Graphical user interface, text, application, chat or text message

Description automatically generatedText

Description automatically generated**

**Facem comenzi care daca rulam cu hep o sa ne apara Text

Description automatically generated**

**Text

Description automatically generatedprima e numele comenzii(nu merge modificat), a 2 a descrierea(merge modifica denumirea), a 3 a handler-ul(functia, ce sa faca cand e apelata comanda)**

**demandingOption->inseamna ca campul ala e required(default e pe false)-> adica daca nu vrem required nici nu trb sa l punem**

**type-> obligam ca acel camp sa fie de un anumit tip**

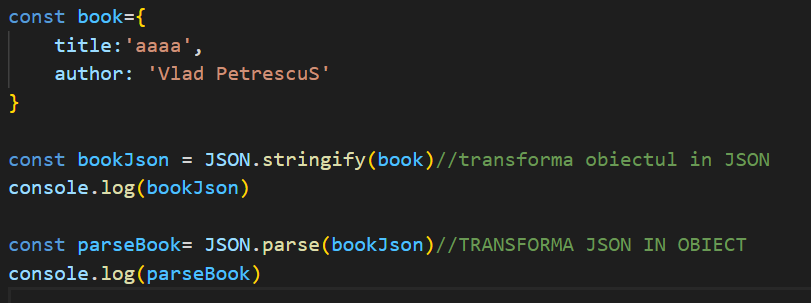
**Text

Description automatically generated**

**Text

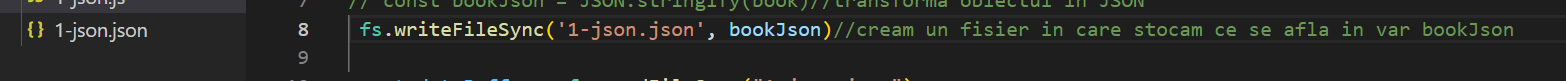
Description automatically generatedfara .parse nu putem afisa**

**JSON**

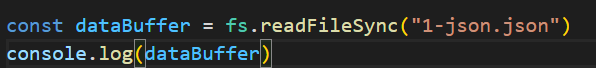
**Text

Description automatically generated**

**Putem accesa proprietatea doar pe obiect, nu si pe json (Adica nu merge bookJson.title, dar merge parseBook.title) !!!!!!!!!!!!!**

****

**Cu readFS->citim fisierul si am stocat in dataBuffer(Buffer inseamna biti si bytes).. trb sa folosim toString ca sa ne afiseze ce trb**

****

**Text

Description automatically generated**

**Add a note**

**Workfow: 1.Fct Load. 2fCT ADD 3.FCT SAVE

Description automatically generatedWorkfow: 1.Fct Load. 2fCT ADD 3.FCT SAVEWorkfow: 1.Fct Load. 2fCT ADD 3.FCT SAVE**

Arrow function (ES6)

Cu arrow function nu putem referential obiectul cu this.

Graphical user interface, text, application

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Description automatically generated with medium confidence

**Debugg**-

Trb sa punem “debugger” in cod unde vrem

node inspect si continuam comanda normal

Intram pe chrome pe ://inspect

Text

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Primele linii sunt cele mai importante.. in a 2 a ne zice exact unde e problema

**WEATHER APP (ASYNC)**

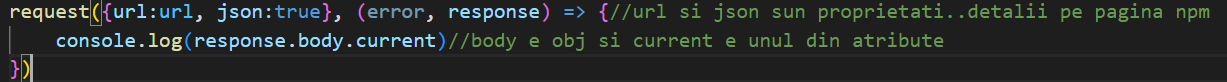
**Call stack->nodeApi-> callback queue**

**Call stack**

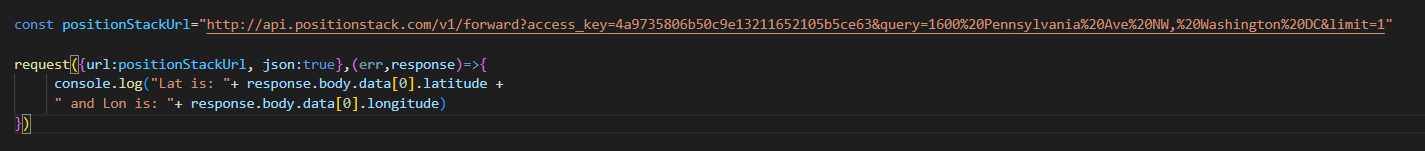
Intra pe sus si ca sa iasa trb sa iasa mai intai de sus in jos. Daca nu e vreun setTimeot sau cv sa astepte il afiseaza apoi iese din stack

Daca e-> intra in node api-> poate fie sa se intoarca in stack si sa faca logica sau se duce in queue, iar din queue in stack

**Http requests-**putem sa folosim un modul de node ca sa fie mai usor

****

Pt challenge folosim positionStack Api(free)



Acelasi sistem de lucru

**CallBack functions**

**Sunt functii pe care le punem ca parametru pt alte functii**

**Graphical user interface, text, application, email

Description automatically generated**

**Text

Description automatically generated**

**A screenshot of a computer

Description automatically generated with medium confidence**

**Apelare:**

**Text

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**Callback Chaining-> Punem callback in callback**

**Text

Description automatically generated**

**OBJECT PROPERTY SHORTHAND**

**Normal**

**Text

Description automatically generated**

**SHORTHAND(practice daca au aceeasi denumire putem scrie doar o data)**

**Graphical user interface, text

Description automatically generated**

**DestructuringA picture containing graphical user interface

Description automatically generated**

**Putem redenumi noua variabilaGraphical user interface, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**In our app**

**For ex: destructing response from forecast**

**Aveam error, response ca param si peste tot unde am body, inainte aveam response.body…, acum doar body**

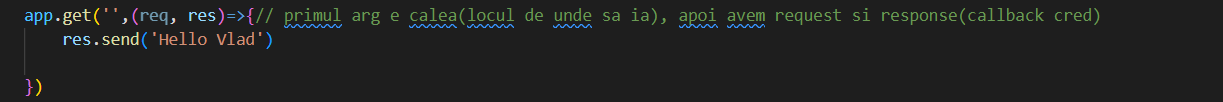
**Text

Description automatically generated**

**Fara ‘request’**

**Too much work .. easier with request library**

**SECTION 7- WEB SERVERS(EXPRESS)**

****

**Dynamic pages with templating(hbs)**

**Graphical user interface, text

Description automatically generated with medium confidence**

**404 pages**

**Section8**

Query strings(= ceva in url)

Prima data pun ?

Si ca sa delimitez query -urile &

Fetch(browser based api): workflow: luam info din url, APOI raspunsul in punem intr un callback

Response.json-> transforma datele in object(erau json)

A screenshot of a computer

Description automatically generated with medium confidence

Cum luam datele din formular si le folosim in js.

Cu querySelector luam datele si in paranteza specificam de unde Apoi adaugam un event pt apasare

A screenshot of a computer

Description automatically generated

**Section 10. MongoDB and Promises**

**Inserting one doc**

**Text

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**Graphical user interface, text, application, email

Description automatically generated**

**Inserting more docs**

**Text

Description automatically generated**

**Cautare dupa nume Text

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**Cautare dupa id**

**Text

Description automatically generated**

**Mai multi A screenshot of a computer

Description automatically generated with medium confidence**

**Promises !!!!**

**A screenshot of a computer

Description automatically generated with medium confidence**